Leakies both at high and low Water. All this is to be underſtood, when the Weather is ſeaſonable; for, otherwiſe, theſe Motions are not ſo diſcernible.

This Account I have collected partly from my own Obſervation, having paſt a great Part of my Life at a Country-ſeat near *Alloa*, where the Leakies are to be ſeen in great Perfection, and partly from what I have learned from People living on different Parts of the River, whoſe Obſervations, as well as my own, I find exactly agree with thoſe of a learned * Relation of mine, who, near ſeventy Years ago, diligently obſerved and enquired into the Phænomena of this irregular Tide.

IV. *The Caſe of a* Tumor *growing on the Inſide of the* Bladder, *ſucceſsfully extirpated by* Joſeph Warner, *Surgeon to* Guy's Hoſpital; *communicated in a Letter to the* Preſident.

Read May 10. 1750.

AN Excreſcence or Tumor ariſing from the internal Coat of the Bladder is a Diſeaſe, though not very common, yet ſufficiently known to the Curious: But I believe that hitherto, no one has attempted the Cure of this Diſorder by Extirpation, nor indeed can it be ſuppoſed, that the Inſtances are frequent, where the Operation is practicable. But as it is notorious from the Hiſtory of Phyſick, and Surgery, that ſeveral Diſorders which were

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* His Obſervations were communicated to Sir *Robert Sibbald*, in order to aſſiſt him in compiling a *Scotiſh* Atlas.

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were formerly unobſerved, have been found to occur frequently, after their Nature has been once diſcoverd, and exactly deſcribed, I flatter myſelf the Publication of this Account may poſſibly throw ſome Light on the preſent Subject.

Mary Bevan, aged 23, on the 24th of *June* 1747, ſtrained herſelf by endeavouring to lift a great Weight; ſhe was immediate y ſeized with violent Pain in the Small of her Back, and a total Suppreſſion of Urine; which Symptoms, notwithſtanding the ſeveral Methods uſed for her Relief, continued till the 29th of the ſame Month; when an eminent Phyſician and Man-midwife was called to her Aſſiſtance; who drew off her Urine with the Catheter. During the Suppreſſion, ſhe was ſeized with an acute Fever, and for 18 or 20 Hours before her Urine was drawn off, ſhe diſcharged by the Mouth a great Quantity of ſaltiſh Water tinged with Blood; which, upon lying down, flowed in ſo great Quantities as to threaten Suffocation.

In *April* 1750, ſhe applied to me: Upon Enquiry I learnt ſhe had never been able, from the Moment of the Accident, to void a Drop of Urine without the Aſſiſtance of the Catheter, which had been made uſe of ever ſince two or three times every twenty-four Hours; that ſhe was in continual Pain, and had been lately much weakened by having ſeveral times loſt conſiderable Quantities of Blood, occaſioned by the Force made uſe of for the Introduction of that Inſtrument. Upon examining her with my Fore-finger, which I introduced with great Difficulty through the *Meatus Urinarius*, I diſcovered a conſiderable Tumor, which ſeemed to be of a fleſhy Subſtance, and took its Riſe from the lower Part of the

the Bladder near its Neck; the Extent of which I could with Difficulty reach. She informed me, ſhe firſt diſcovered this Swelling about twenty Months before. I obſerved it to protrude a little way out of the *Meatus Urinarius* upon ſtraining to make Water when the Bladder was full; but, upon ceaſing to ſtrain, it preſently returned.

It had preſerved pretty nearly the ſame Appearance ever ſince it was firſt taken notice of; and about eighteen Months ago, a ſmall Inciſion was made into it, on Preſumption of its containing a Fluid, but without any Effect.

The Method I took for the Extirpation of the Tumor was this: Having firſt prepared her as before the Operation for the Stone; when her Bladder was full, I made her ſtrain as though ſhe was going to make Water, upon which I perceived the Tumor to protrude a little; this I effectually ſecured from returning into the Bladder by the Help of a crooked Needle and Ligature paſſed through the Tumor in different Directions, and endeavoured to draw it out through the *Meatus Urinarius*, but could not effect it by reaſon of its Largeneſs; ſeeing this, I dilated the *Meatus Urinarius* on the right Side by cutting it upwards about half way towards the Neck, when by pulling the Tumor forwards, I had ſufficient room for tying a Ligature round its Baſis, which was very broad.

For the three firſt Days after the Operation, ſhe complained of a good deal of Pain in the *Abdomen*.

On the ſixth Day, the Tumor dropt off.

From the firſt of the Operation, ſhe voided her Urine without any Aſſiſtance, and is now perfectly well in every reſpect.